| Index of Cla | aims |
|--------------|------|
|              |      |

| Application No. | Applicant(s) |
|-----------------|--------------|
| 10/785,362      | LIU ET AL.   |
| Examiner        | Art Unit     |
| Anthony Ojini   | 3723         |

| √ | Rejected |
|---|----------|
| = | Allowed  |

| 1 | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

| N | Non-Elected  |
|---|--------------|
| _ | Interference |

| A | Appeal   |
|---|----------|
| 0 | Objected |

| Cla  | aim      | Date         |  |              |              |  |  |  | ] -: "                                 | Claim Date                                       |                   |          |          |          |   |          |           |         | Cla  | aim      | Date  |       |            |                 |   |                         |          |          |                |          |          |
|--|----------|--------------|--|--------------|--------------|--|--|--|--|--|-------------------|----------|----------|----------|---|----------|-----------|---------|--|----------|-------|-------|------------|-----------------|---|-------------------------|----------|----------|----------------|----------|----------|
| Finat  | Original | 6/7/05       |  |              |              |  |  |  |  |  |                   | Final    | Original |          |   |          |           |         |  |          |       | Final | Original   |                 |   |                         |          |          |                |          |          |
| 1  | 1        | =            | $\vdash$   | -            | ┢            | ┢  | <del> </del> -                                   | ╁  | +                                      | H  |                   |          | 51       | +        | +   | +        | $\dashv$  | ╁       | +  | Н        | - 1   |       | 101        | $\vdash$        | +   | +                       | ╁        | ┼        | $\vdash$       | $\dashv$ | $\dashv$ |
| 2  | 2        | H            | ┢  | $\vdash$     | <del> </del> | ┢  | ╁╌   | ╁  | +                                      | <del>                                     </del> |                   |          | 52       | $\vdash$ | +   | T        |           | +       | T  | Н        |       |       | 102        |                 | $\top$  | +                       | T        | 十        |                | $\neg$   | $\neg$   |
| 3  | 3        | T            | 1  |              | <b>!</b>     | <u> </u>   | 1  | 1  | 1                                      | Г  | r <sup>an</sup> t |          | 53       |          | $\top$  | T        |           | $\top$  | T  |          |       |       | 103        | П               | $\neg$  | 1                       | T        | Г        |                | $\Box$   |          |
| 4  | 4        | H            |  |              |              | T  |  |  | T                                      |  | ø,                |          | 54       |          |   | <b>†</b> | $\Box$    |         |  | П        |       |       | 104        | $\Box$          |   | 1                       | T        | T        | П              |          | ╗        |
| 5  | 5        | П            |  |              |              |  |  | Τ  | T                                      |  |                   |          | 55       |          | $\neg$  |          |           |         |  |          |       |       | 105        |                 |   |                         | 1        |          | П              | $\neg$   | П        |
| 6  | 6        | П            |  |              |              |  |  |  |  |  | ]                 |          | 56       |          |   |          |           |         |  |          | Ĵ,    |       | 106        |                 |   |                         |          |          |                |          |          |
| 7  | 7        |              |  |              |              |  |  |  |  |  |                   |          | 57       |          |   |          |           |         |  |          |       |       | 107        |                 |   |                         | oxdot    |          |                |          |          |
| 8  | 8        | Ш            | L  |              | L_           | ┖  |  | <u> </u>   | ļ                                      | <u> </u>   | 1                 |          | 58       | $\perp$  |   |          | $\perp$   |         |  | Ш        |       |       | 108        |                 |   | _                       |          | <u> </u> |                | $ \bot $ | ╝        |
| 9  | 9        | \$           | Ш  | <u> </u>     | <u> </u>     | ┖  | _  | <u> </u>   | ↓_                                     | ot   |                   |          | 59       | $\perp$  |   | Ш        | $\perp$   |         | _  |          |       |       | 109        |                 |   | _                       | 1        | _        |                | $\dashv$ | _        |
| 10   | 10       | =            | Ш  | <u> </u>     | _            | ┞-   | $oxed{oxed}$                                     | ↓  | ┞-                                     | <u> </u>   | g.                |          | 60       | $\sqcup$ | _   |          | $\dashv$  | _       | _  | Ш        | ,     |       | 110        | $\dashv$        | _   | $\perp$                 | $\bot$   | 1        |                | _        | 4        |
|  | 11       | _            | _  | ╙            | ļ            | ┡  | ┝  | ╀  | +                                      | -  |                   |          | 61       |          |   | +        | -         |         | -  | _        |       |       | 111        |                 | -   | +                       | ┿        | ▙        | $\vdash$       |          | 4        |
| $\vdash$   | 12       | <del> </del> | $\vdash$   | <u> </u>     | ├            | ├-   | ╀  | ┼  | +                                      | ├  |                   |          | 62<br>63 | +        | +   | $\vdash$ | $\vdash$  | +       | $\vdash$                                     | $\vdash$ |       |       | 112<br>113 | $\vdash$        | +   | +                       | +        | ⊢        | $\vdash\vdash$ | -        | $\dashv$ |
|  | 13<br>14 | $\vdash$     | $\vdash$   | $\vdash$     | $\vdash$     | $\vdash$   | $\vdash$   | $\vdash$   | +                                      | $\vdash$   |                   |          | 64       | +        | +   | +        | $\vdash$  | +       | $\vdash$                                     | Н        |       |       | 113        | $\vdash \vdash$ | +   | +                       | +        | $\vdash$ | $\vdash$       |          | $\dashv$ |
|  | 15       |              | $\vdash$   | _            |              | ┢  | ┢  | ╁  | ╁                                      | ⊢  | ,                 |          | 65       | -+       | +   | ╁        | $\dashv$  | +-      | ╁╌   | Н        | .4 4  |       | 115        | $\vdash$        | +   | ┿                       | +-       | ╁        | Н              | $\dashv$ | $\dashv$ |
|  | 16       |              | -  |              | <del> </del> | ╁  | +-   | ╁╌   | ╁                                      | $\vdash$   |                   |          | 66       | -i       | +   |          | +         | +       | +  |          | 1     |       | 116        |                 | -   | +                       | +        | ┢        |                |          | $\dashv$ |
| H  | 17       | -            | ┢┈   | -            | -            | -  | ┢╌   | ╁╌   | ╁                                      | $\vdash$   | 1                 |          | 67       |          | +-  | ╁        |           |         | ╁  | $\vdash$ | 45    |       | 117        | -               | $\dashv$  | +                       | ╁        | ╁        | H              | $\dashv$ | $\dashv$ |
|  | 18       | $\vdash$     | $\vdash$   | H            | $\vdash$     | ╁  | ╁  | ╁  | ╁╌                                     | ╁  |                   |          | 68       | $\dashv$ | +   | $\vdash$ | $\forall$ | +       | $\vdash$                                     | Н        | - 1   |       | 118        | $\dashv$        | $\dashv$  | +                       | ╁        | $\vdash$ |                | -        | -        |
| $\vdash$   | 19       | ╁            | <del>                                     </del> | <del> </del> | -            | <del>                                     </del> | <del>                                     </del> | <del>                                     </del> | ╁                                      | $\vdash$   | 100               |          | 69       | -+       | +-  | $\vdash$ | _         | +-      | +  | Н        |       |       | 119        | $\vdash$        | $\dashv$  | ╅                       | +        | $\vdash$ | Н              | $\dashv$ | ᅱ        |
| $\vdash$   | 20       |              | H  | $\vdash$     | -            |  | H  | H  | t                                      | +-   | 34                |          | 70       | -        | 1   |          |           | +       |  | Н        |       |       | 120        |                 |   | +                       | Ť        |          |                | T        |          |
| ,  | 21       | 1            | $\vdash$   |              |              | <u> </u>   |  | 1  | 1                                      | $\vdash$   |                   |          | 71       | _        | 1   | $\Box$   |           | 1       | T  | П        |       |       | 121        |                 | $\top$  | $\top$                  |          | $\vdash$ | $\Box$         | $\dashv$ | ┪        |
|  | 22       |              |  |              | _            |  |  | 1  | $\top$                                 | T  |                   |          | 72       | $\neg$   | 1   | П        |           | $\top$  | $\Box$                                       | П        |       |       | 122        |                 | $\dashv$  | 1                       | ╅        |          |                | ヿ        | ヿ        |
|  | 23       |              |  |              | <u> </u>     |  | ऻ  |  |  |  | W                 |          | 73       |          |   |          |           |         |  |          |       |       | 123        |                 | 十   |                         | 1        |          | П              | $\dashv$ | ヿ        |
|  | 24       |              |  |              |              |  |  |  |  | Г  | 7                 |          | 74       |          |   |          |           |         |  |          |       |       | 124        |                 |   | $\neg$                  |          |          |                |          |          |
|  | 25       |              |  |              |              |  |  |  |  |  |                   |          | 75       |          |   |          |           |         |  |          | Fri:  |       | 125        |                 |   |                         |          |          |                |          |          |
|  | 26       |              |  |              |              |  |  |  |  |  | 14                |          | 76       |          |   |          |           |         |  |          |       |       | 126        |                 |   |                         |          |          |                |          |          |
|  | 27       |              |  |              |              |  |  | L  | L                                      | <u> </u>   | 1                 |          | 77       |          |   |          |           |         | <u>                                     </u> |          |       |       | 127        |                 |   |                         |          | L        |                |          |          |
|  | 28       | <u> </u>     |  |              |              |  | <u> </u>   | L  | ┖                                      | L  | ).<br>10. 1.      |          | 78       |          |   |          |           |         | $oxed{oxed}$                                 |          |       |       | 128        |                 |   | $\perp$                 | ↓_       |          | Ш              |          | _        |
|  | 29       | _            |  |              | L_           | <u> </u>   | <u> </u>   | ┖  | 丄                                      | <u> </u>   |                   |          | 79       |          |   |          |           |         | $\sqcup$                                     |          |       |       | 129        |                 |   | 4                       | 丄        | L        |                | _        | _        |
|  | 30       | _            |  |              |              | L  |  | ╙  | ــــــــــــــــــــــــــــــــــــــ | ┞  | W                 |          | 80       | $\perp$  | _   |          | _         | $\bot$  | Ш  | Щ        |       |       | 130        |                 |   | $\bot$                  | ↓_       | <u> </u> |                | _        | _        |
|  | 31       |              |  |              |              | _  |  | _  | ┡                                      | <u> </u>   |                   |          | 81       | _        | _   |          | _         | $\perp$ | Ш  |          |       |       | 131        |                 | _   | _                       | <u> </u> | <u> </u> |                | _        | _        |
|  | 32       | <u> </u>     | _  |              | <u> </u>     | <u> </u>   |  | ┞  | _                                      | ▙  |                   |          | 82       | _        | +   | $\vdash$ | _         | +       | $\sqcup$                                     | $\dashv$ | 3     |       | 132        | _               | -   | 4                       | ↓_       | Ľ.       | Н              | $\dashv$ | _        |
|  | 33<br>34 | <u> </u>     | H  |              | -            | ├  | ├  | ├-   | ╀                                      | ⊢  |                   |          | 83       | +        | +   | +        | $\dashv$  | - -     | +  | $\dashv$ |       |       | 133        | $\dashv$        |   | +-                      | ∔        | 1        | Н              | 4        | 4        |
|  | 35       | ┝            | Н  |              | H            | ⊢  | ⊢  | ⊢  | ╁                                      | ⊢  |                   |          | 84<br>85 | $\dashv$ | +   | +        | $\dashv$  | +       | +  | $\dashv$ | and j |       | 134<br>135 | -               | +   | +                       | ╁        | H        | -              | $\dashv$ | $\dashv$ |
| -  | 36       | <b>—</b>     | Н  |              |              |  | $\vdash$   | ┢  | -                                      | $\vdash$   |                   | $\dashv$ | 86       | +        | +   | $\vdash$ | +         | +       | Н  | -        | 3.5   |       | 136        |                 |   | +                       | +-       | -        | ┝╾┤            | $\dashv$ | $\dashv$ |
|  | 37       |              | Н  |              |              | ┢  | $\vdash$   | ⊢  | $\vdash$                               | $\vdash$   |                   |          | 87       | -        | +   | +        | $\dashv$  | +       | $\vdash$                                     | $\dashv$ |       |       | 137        | -               |   | +                       | +        | $\vdash$ | Н              | -        | ᅻ        |
|  | 38       | $\vdash$     |  |              | Н            |  | H  | $\vdash$   | $\vdash$                               | $\vdash$   | 4, 4              | $\dashv$ | 88       | $\dashv$ | +   | 1        | $\dashv$  | +       |  | $\dashv$ | - 1   |       | 138        | +               | +   | +                       | ╁╌       | -        | Н              | $\dashv$ | -1       |
|  | 39       | $\vdash$     | Н  | -            | $\vdash$     | H  |  | ╁  | $\vdash$                               | $\vdash$   |                   | -        | 89       | -        | +   | tt       | $\dashv$  | +       | 1 1  | $\dashv$ | * :   |       | 139        | 一十              |   | +                       | +-       |          | H              | $\dashv$ | $\dashv$ |
|  | 40       | $\vdash$     |  |              |              | $\vdash$   |  | <u> </u>   | ┢                                      | $\vdash$   |                   |          | 90       | _        | +-  | T        | -+        | +       |  | $\vdash$ |       |       | 140        | $\dashv$        |   | +                       | +        | $\vdash$ | $\vdash$       | $\dashv$ | ᅱ        |
|  | 41       | П            | $\vdash$   |              |              | $\vdash$   | T  | Т  | T                                      | Т  |                   |          | 91       | $\top$   | $\top$  | Ħ        | 十         | T       | П  | 一        |       |       | 141        | $\neg$          | $\top$  | +                       | †=       |          | H              | $\dashv$ | $\dashv$ |
|  | 42       |              | $\vdash$   |              |              |  | T  | T  | 1                                      | T  |                   |          | 92       | 十        | $\top$  | П        | $\dashv$  | 十       | П  | ヿ        | ŀ     |       | 142        |                 | $\top$  | T                       | 1        |          | H              | $\dashv$ | $\dashv$ |
|  | 43       |              |  |              |              |  |  |  | T                                      | <u> </u>   | -                 |          | 93       | _        | $\top$  | П        | $\dashv$  | 1       | $\sqcap$                                     | $\neg$   | - 1   |       | 143        | $\neg$          | $\top$  | 1                       | 1        |          |                | $\dashv$ | ヿ        |
|  | 44       |              |  | -            |              |  |  | Π  |  |  |                   | أ        | 94       |          |   | [.       |           |         |  |          | -     |       | 144        | ▔               | ┰   |                         |          |          |                | $\dashv$ | $\neg$   |
|  | 45       |              |  |              |              |  |  |  | Γ                                      |  |                   |          | 95       |          |   |          |           |         |  |          | ·ſ    | 1     | 145        |                 |   | Ι                       |          |          |                |          | $\Box$   |
|  | 46       |              |  |              |              |  |  |  |  |  |                   |          | 96       | $\Box$   | $oldsymbol{ol}}}}}}}}}}}}}}}$ |          |           | I       |  |          |       |       | 146        |                 | floor   | $oldsymbol{\mathbb{I}}$ |          |          |                | J        |          |
|  | 47       |              |  |              |              |  |  |  |  |  |                   |          | 97       |          |   |          |           |         |  |          |       |       | 147        |                 | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{\Box}}}$ | I                       |          |          |                | $\Box$   |          |
|  | 48       |              |  |              |              |  |  |  |  |  |                   |          | 98       |          |   |          |           |         |  |          |       | ]     | 148        |                 |   | $\perp$                 |          |          |                | $\Box$   |          |
| <u>                                     </u>   | 49       |              | Ш  |              |              | $oxed{oxed}$                                     | $ldsymbol{oxed}$                                 | oxdot  | ┖                                      | Ш  |                   |          | 99       |          |   | $\sqcup$ |           |         | Ш  |          |       |       | 149        | [               |   |                         | L        | $\sqcup$ |                |          | $\Box$   |
| $ldsymbol{ld}}}}}}$ | 50       |              |  |              |              | L  |  |  |  |  |                   |          | 100      |          |   |          |           |         |  |          | L     |       | 150        |                 |   |                         |          | l        | L              |          |          |